

WHAT IS CLAIMED IS:

1. A logarithmic graph plotting apparatus comprising:
a range setting unit for setting x- and y-coordinate ranges;
a graph plotting unit for plotting a graph in a coordinate
5 system with the x- and y-coordinate ranges set by the range setting
unit;

a logarithmic scale marking unit for marking x- and/or
y-axes with logarithmic scales in the x- and y-coordinate ranges set
by the range setting unit; and

10 a logarithmic graph plotting unit for plotting a logarithmic
graph depending upon the logarithmic scales marked on the x-
and/or y-coordinate axes by the logarithmic scale marking means.

2. The logarithmic graph plotting apparatus according to
15 claim 1, wherein the range setting unit comprises a unit for
displaying a range setting picture on which items for setting the x-
and y-coordinate ranges, respectively, and items for setting the x-
and/or y-axes as corresponding x- and/or y- logarithmic axes,
respectively are indicated selectable; and

20 the logarithmic scale marking unit marks the x- and/or
y-axes with logarithmic scales in the x- and/or y-coordinate ranges
set by the corresponding range setting items when the items for
setting the x- and/or y-axes as the corresponding x- and/or y-
logarithmic axes are selected on the range setting picture.

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3. The logarithmic graph plotting apparatus according to
claim 1, comprising a unit for indicating error when the items for

setting the x- and/or y-axes as the corresponding x- and/or y-
logarithmic axes are selected and the set x- and/or y-coordinate
ranges includes a value other than a positive value.

5 4. The logarithmic graph plotting apparatus according to
claim 1, wherein the logarithmic scales include a plurality of
straight lines extending from the corresponding scales on the x-
and/or y-logarithmic axes.

10 5. The logarithmic graph plotting apparatus according to
claim 1, wherein the items for setting the x- and/or y-axes as the
corresponding logarithmic axes comprise check boxes to be checked
off.

15 6. A computer-readable recording medium having
recorded a logarithmic graph plotting program for controlling a
computer of a graph plotting apparatus, the program causing the
computer to function as:
 a range setting unit for setting x- and y-coordinate ranges;
20 a graph plotting unit for plotting a graph in a coordinate
system with the x- and y-coordinate ranges set by the range setting
unit;
 a logarithmic scale marking unit for marking x- and/or
y-axes with logarithmic scales in the x- and y-coordinate ranges set
25 by the range setting unit; and
 a logarithmic graph plotting unit for plotting a logarithmic
graph depending upon the logarithmic scales marked on the x-

and/or y-coordinate axes by the logarithmic scale marking means.